CHRYNAV1 Advent Integrated Navigation

This interface is designed to integrate Navigation into select Chrysler and Dodge 8.4" or 4.3" monitors.

INSTALLATION MANUAL

What's in the Box	
The following items are supplied with the CHRYNAV1	
• CAN Module #33814180	• Aux Audio # 31514170
• LVDS Video Cable #31414180	• Aux Video # 33914170
• Power T-Harness #37514180	• GPS Antenna #34914170
• CAN to NAV #30314180	• USB Update Cable #32714170
• Switch #31414170	• Map SD Card #35014170
• Speaker Wire Harness #31914180	• External Speaker #33514190
• Installation Guide	
NOTE: Not all parts are used in every installation.	

Prior to Installation:

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle.
The installation of this accessory should follow approved guidelines to ensure a quality installation.

Read entire instructions thoroughly before starting.

This document covers such items as:-
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.)

NOTES:
Removed Parts:
Inspect the vehicle for any damage.

Place all removed parts on a protected surface in an area where they will not be damaged.

Connectors:
When disconnecting connectors, do not pull on the wires; pull on the connectors.

Vehicle Preparation and Protection

CAUTION!
- ***Do not touch the positive terminal with any tool when removing cable.***
- ***Be sure ignition key is in the OFF position during install.***
- ***Do not disconnect ANY airbag connectors or indicators. Doing so may result in activating a diagnostic code. These codes will require the dealer to perform the reset procedure and may be charged a dealer fee.***
- ***If you are unsure of any vehicle trim removal process consult the OEM service manual.***
- ***Removing vehicle trim panels in extreme hot and cold climate could result in some vehicle damage. Use care when removing all vehicle trim.***
- ***Using tape on vehicle trim panels could help limit any scratches and or marring. Use plastic trim panel removal tools whenever possible.***

The instructions included in this kit are current at the time of printing. It is designed as a guide to help make the installation of this product successful. Always use caution and ask for assistance if you are not sure how to proceed. Voxx International is not responsible for any damage that may occur during installation or any changes to the vehicle interior.

Installation:

NOTE: ***Disconnect the vehicle battery before starting your installation.***

Removal of the LCD Touch Panel and Radio control center is required for installation. Vehicle Specific instructions are available on-line at www.voxxuniversity.com.

After the components are removed, connect the following:

1. Using the Supplied T-harness Power Cable, disconnect the matching cable from the main Radio/CD unit. Plug the T-harness in the radio and the factory harness into the T-harness. The small 4 pin harness on the T-harness connects to the CAN module.

2. The navigation module will be located behind the radio. Determine your exact mounting location to insure you route your wires correctly.

3. Disconnect the 4 pin LVDS Video cable from the touch panel. Do not use the connection at the radio.

4. Using the supplied LVDS connect cable, connect the factory LVDS cable to the supplied cable, the panel to the supplied cable and route to the Nav Module location.

5. The system utilizes either the left dash speaker or the included external speaker for easier installation or for vehicles that do not have dash speakers. When connected to a factory speaker the Nav system will mute the radio audio in that speaker only when giving directions. If using the external speaker the factory audio will not mute.

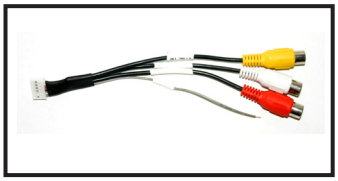
To install using the factory speaker, remove the left dash speaker from the dash route the included speaker harness to the speaker location. Connect the supplied harness to the speaker and the OEM wiring to the other harness connector. Route the wire to the module and connect.

If using the included external speaker; pick a location that is not obstructed and can be heard easily by the driver. Remove the tape backing from the rear of the speaker and attach to the mounting location. Route the wire to the module and connect.

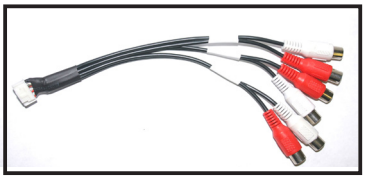
If needed or for custom installation this can be wired to any standard 4 ohm speaker.

The Nav module has the ability to add a backup camera and 2 AV inputs. The module will support the factory backup camera if the vehicle is equipped with this. If you are adding a camera or aux inputs, use the supplied cables and connect as needed.

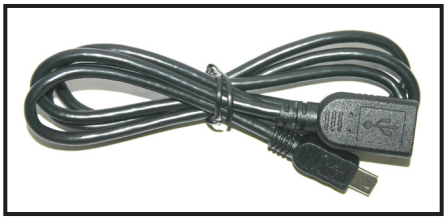
6. Aux Video:
   Red: Backup Camera Input
   Yellow: Aux 1 Video Input
   White: Aux 2 Video Input
   Gray: Not used



7. Aux Video: Aux Audio:
   See attached labels



8. USB Update Cable: This is used for map updates. Route the cable from the module to the glove box for future use as needed. Connect to the Nav module.



9. GPS Antenna: The antenna must be mounted in a location where it has a clear view of the sky. Center of the dash by the glass is recommended.

NOTE: ***If reception is poor re-locate to another area and re-test. The GPS antenna cannot be blocked by metal surfaces and should be visible for best reception.***

DIP Switch Settings:

Up is OFF; Down is ON for Dip Switches.

10. Check the DIP Switch settings:

Dip 1: UP	External RGB input. Not used
Dip 2: UP	Video Input 1 Off
Dip 3: UP	Video Input 2 Off
Dip 4: DOWN	OEM High Resolution Monitor On
Dip 5: UP	Up-OEM Camera, DWN After Market Camera
Dip 6: UP	This is not used.
Dip 7: UP	This is not used.
Dip 8: UP	For 8.4" screen, Down for 4.3" screen.

11. Check to be sure the Map SD Card is installed in the Navigation unit.

Double check all connections and then reconnect the vehicle battery.

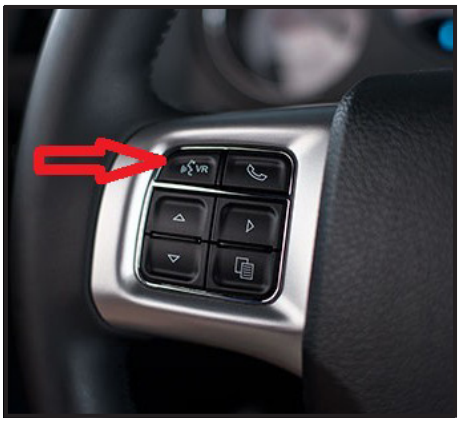
Navigation Interface Operation:

To change the OEM radio to Navigation Mode:

- Long press the Voice Activation Key on the steering wheel. Press again to cancel voice prompt.

Exit Navigation by:

- Long press again or selecting EXIT from the navigation menu on- screen.



NOTE: ***Exit cancels your current route.***

On vehicles with the 4.3" screen use the "+MORE" button to select the Navigation source:

Exit Navigation by pressing again or selecting EXIT from the navigation menu on-screen.

For Navigation operation see the included quick start guide or download a full user's manual from WWW.ADVENTPRODUCTS.COM .

If the picture is not centered or does not fill the screen correctly you can adjust the picture size. Access the settings menu by pressing the Menu button on the side of the Nav Interface Module.

Use the Menu button to scroll through the options and "+" or "-" buttons to adjust the value.

1. **Contrast, Brightness and Saturation are all screen adjustments for picture quality.**
2. **Position H and V are for Horizontal and Vertical Position, use to adjust to fit factory screen as needed.**
3. **IR-AV1, IR-AV2: NOT USED. Select NONE to insure proper operation.**
4. **Guide-L, Guide-R-CNTRL -These are controls for the position of the Parking Lines. By selecting + or - you can move the position of the lines to match the vehicle width.**
5. **H-Size, V-Size: This will adjust the picture to meet the full screen size of the OEM panel.**

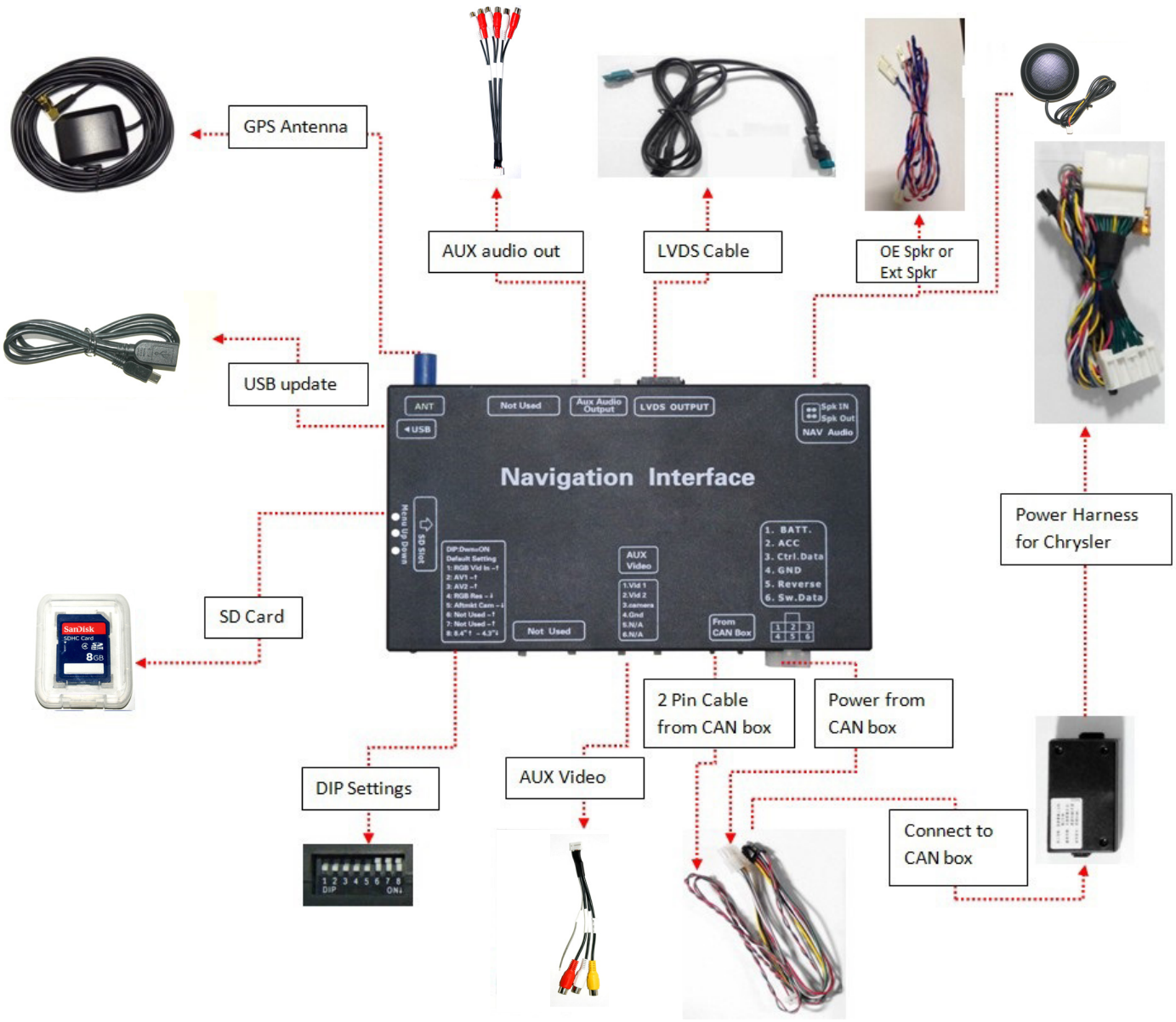
Setup Menu

Contrast----------50
Brightness----------50
Saturation----------62
Position-H----------23
Position-V----------3
IR-AV1----------NOT USED
R-AV1----------NOT USED
Guide-L----------0
Guide-R----------3
Guide-CNTRL----------OFF
H - SIZE----------16
V - SIZE----------40

Specifications:

No.	Name	Parameters
1	Video input	0.7Vpp with 75 Ω impedance
2	Synchronized signal strength	3-5Vpp with 5K impedance negative pulse synchronization.
3	RGB resolution	By changing DIP4 user can select HD/VGA or normal HD : 800X480 or VGA :640X480 Normal NTSC-vertical 240 (or 234)
4	Av1, Av2, cam video	0.7Vpp with 75 Ω impedance
5	Av1, Av2, cam format	NTSC/PAL/SECAM Automatic switch
6	Normal power	4.8W [0.4A @12V]
7	Stand by current	< 10mA
8	Trigger level threshold (Reverse and switching)	>5V trigger
9	Output current of additional control port 1.2.7	Maximum current of 2A.
10	Operating temperature range	-40 +85C
11	Dimensions	15.6 X 9.2 X 2.2 Cm

For Technical Support Please Call 1- 800-323-4815.



Vehicle Specific Instructions, Tech Tips, and Installation notes can be found at WWW.AUDIOVOXUNIVERSITY.COM

NOTES

Voxx Electronics Corporation
Hauppauge, NY 11788
Technical Assistance: 1-800-323-4815
WWW.ADVENTPRODUCTS.COM

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